

requested. Should Examiner Murphy have any questions or comments, or believe that certain amendments of the claims might serve to improve their clarity, a telephone call to the undersigned Applicants' representative is earnestly solicited.

Respectfully submitted,

September 23, 2002  
Date

David W. Hibler

David W. Hibler  
Agent for Applicants

Reg. No. 41,071

LEXICON GENETICS INCORPORATED  
(281) 863-3399



24231

PATENT TRADEMARK OFFICE

**Exhibit A**

**Clean Version of The Pending Claims in U.S. Patent Application Ser. No. 09/918,359**

1. (Amended) An isolated nucleic acid molecule comprising a nucleotide sequence encoding the amino acid sequence of SEQ ID NO:7.

5. (Amended) An isolated nucleic acid molecule comprising a nucleotide sequence that:

- (a) encodes the amino acid sequence of SEQ ID NO:7; and
- (b) hybridizes under highly stringent conditions to the nucleotide sequence of SEQ ID NO:6 or the complement thereof.

6. (Amended) An isolated nucleic acid molecule comprising the nucleic acid sequence of SEQ ID NO:6.

7. (New) A recombinant expression vector comprising the isolated nucleic acid molecule of claim 1.

8. (New) The recombinant expression vector of claim 7, wherein said isolated nucleic acid molecule comprises the nucleotide sequence of SEQ ID NO:6.

9. (New) A host cell comprising the recombinant expression vector of claim 7.

Exhibit B

Marked Up Version of Amended Claims in U.S. Patent Application Ser. No. 09/918,359

1. (Amended) An isolated nucleic acid molecule comprising a nucleotide sequence encoding [an] the amino acid sequence [drawn from the group consisting of SEQ ID NOS:2, 4, and 7] of SEQ ID NO:7.
2. (Cancelled) An isolated nucleic acid molecule comprising a nucleotide sequence that:
  - (a) encodes the amino acid sequence shown in SEQ ID NO: 2; and
  - (b) hybridizes under stringent conditions to the nucleotide sequence of SEQ ID NO:1 or the complement thereof.
3. (Cancelled) An isolated nucleic acid molecule encoding SEQ ID NO:2.
4. (Cancelled) An isolated nucleic acid molecule encoding SEQ ID NO:4.
5. (Amended) An isolated nucleic acid molecule comprising a nucleotide sequence that:
  - (a) encodes the amino acid sequence [shown in] of SEQ ID NO:7; and
  - (b) hybridizes under highly stringent conditions to the nucleotide sequence of SEQ ID NO:6 or the complement thereof.
6. (Amended) An isolated nucleic acid molecule [encoding SEQ ID NO:7] comprising the nucleic acid sequence of SEQ ID NO:6.
7. (New) A recombinant expression vector comprising the isolated nucleic acid molecule of claim 1.
8. (New) The recombinant expression vector of claim 7, wherein said isolated nucleic acid molecule comprises the nucleotide sequence of SEQ ID NO:6.

9. (New) A host cell comprising the recombinant expression vector of claim 7.